



QUARTERLY PROGRESS REPORT

Project Title:	Evaluation of Methods for Bridge Scour Monitoring		
RFP NUMBER: N/A	NJDOT RESEARCH PROJECT MANAGER: Karl Brodtman		
TASK ORDER NUMBER/Study Number: 65 / 4-23786	PRINCIPAL INVESTIGATOR: Hani Nassif		
Period Starting: 4/22/ 1999 - 4/22/2001 (Start-End Date of Study)	Period Ending: 3/31/2001		

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
Literature Search	5%	0%	100%	5%
1. Purchase for System Components	5%	0%	100%	5%
2. Site Selection and Designation	30%	0%	100%	30%
3. Field Set-up of Monitoring System I & II	20%	10%	100%	20%
4. Preliminary Monitoring & System Calibration	30%	10%	80%	24%
Progress Reports	5%	5%	95%	4.75%
Final Report	10%	30%	30%	3%
TOTAL	100%			91.75%

1. Progress this quarter by task:

- With the help of the Telephone Company and NJDOT, finally the telephone line has been installed. The Rutgers Team assisted the telephone Company on two occasions using the boat and equipment for the successful installation. The equipment has been connected and data on scour is being collected from the second bridge site. Currently, the equipment is powered by a battery, which is being charged every two weeks until a solar panel is installed. After a couple of visits to the site, it was decided that the solar panel needs a special bracket. The bracket is being designed to allow for easy installation of the solar panel.
- Preliminary data on scour is being collected from the Matawan Bridge. No significant scour activity is reported up-to date.

2. Proposed activities for next quarter by task

- The team is currently in the process of installing a solar panel to ensure continuous un-interrupted power supply for the system.
- The data collection and acquisition system will be tested over the next two months for validation.
- A draft report describing the efforts of the first year and its results is under preparation.



CAIT

Center for Advanced Infrastructure & Transportation
Rutgers, The State University of New Jersey

3. List of deliverables provided in this quarter by task (product date)

N/A

4. Progress on Implementation and Training Activities

N/A

5. Problems/Proposed Solutions

N/A

6. Budget Summary*

Total Project Budget(# of years)	2 Years	\$244,475.00
Total Project Expenditure to date		\$181,921
% of Total Project Budget Expended		74%
Task Order Number/Study Number:		65 / 4-23786
Current Task Order Budget (# of years)	Year 1 and 2	\$244,475.00
Actual Expenditure to date against current task order		\$181,921
% of current task order budget expended		74%

* These are approximate expended amounts for the project; these estimates are for reference only and should not be used for official accounting purposes. For a more accurate project accounting please review the quarterly invoice for this project.

Department of Civil and Environmental Engineering
623 Bowser Rd. Piscataway NJ 08854-8014
Tel : 732-445-0579 Fax: 732-445-0577